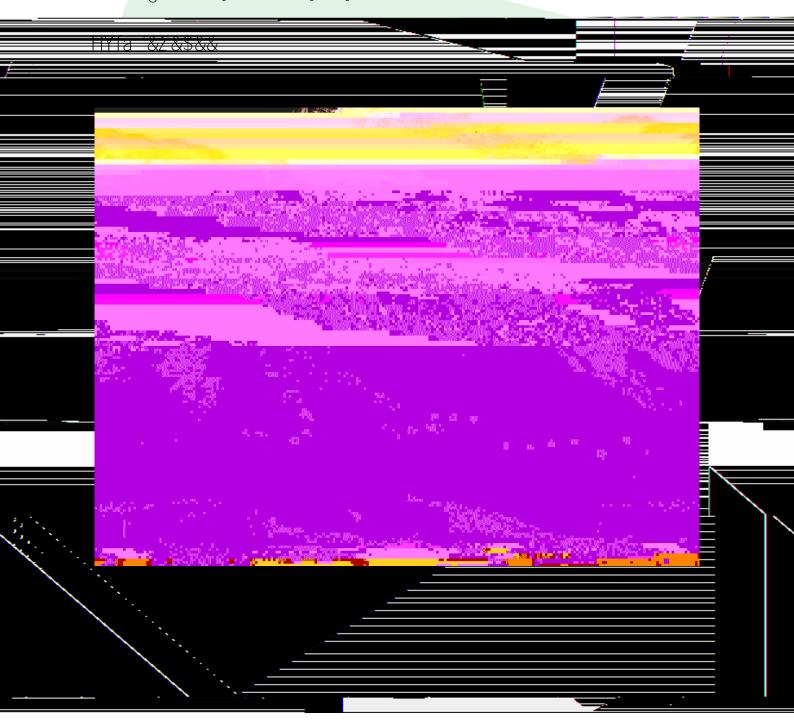


LING5029

 $HY^DgmWc^c[mcZ@Ub[iU[Y]]$



5W_bck `YX[Ya YbhcZ7ci bhfm

 $\label{eq:localized-loca$

7ci fgY'8YW]`g

$I b]hg cZ7 fYX]h^*$

Gi a a UfmcZh\Y 7ci fgY

7ci fgY @YUfb]b[Ci hWca Yg

%" XYgWf]VY`UbX`YId`U]b%%\Y`acghiWfiW]U``]ggiYg`]bjc`jYX`]b`h\Y`]bhYfUWf]cb`VYhkY%b`h\Y`VfU]b`Ub}\%o``Ub[iU[Yg`UfY`U\ei]fYXždfc\W'ggYX`UbX`ghcfYX"`

‰

- &" Udd`m[YbYfU``df]bV]d`Yg`cZ`]b[i]gh]Vg`hc``Ub[iU[Y`UV\ei]g]h]cbž``Ub[iU[Y`Wca dfY\Ybg]cb`UbX dfcXi Wf]cbž`UbX`hc`Uddcg]hY`bYi fc`c[]WU``dfcWfggYg`]bj c`j]b[``Ub[iU[Y"
- ' "YI d`]\WhY'h\Y'VUg]\WfYgYUf\W`cb'VfU]b`XUa U[Y'UbX``Ub[i U[Y']a dU]fa Ybhž\VfYU_Xck b`UbX``cggž UbX``Ub[i U[Y'UbX'h\ci [\h''
- ("Wf]h]WU``mYl Ua]bY`UbX`Yj U`i UhY`a cXYfb`UddfcUW.Yg`]b`dgmW.c`]b[i]gh]Wgž]b`hYfa g`cZh\Y]f`dck Yf hc`UVWci bhZcf`h\Y`dgmW.c`c[]WU``dfcWYggYg`i bXYf`m]b[`h\Y`dfcXi Wh]cbždfcWYgg]b[`UbX

j 6

5ggYgga Ybh

5ggYgga Ybh'hUg_	K Y][\h	8iY'8UHY	7 ci fgY @YUfb]b[Ci HWca Yg 5ggYggYX
%"'DfcV`Ya 'gYh	&) ı	%(#\$* #&\$&&`\$(.\$\$`DA	% <u>`</u> (
&"`≠b!WUgg`hYgh	&) ı	Bichi5dd`]\WV`Y	%ž`&ž`'
ˈ "'DfYgYblUljcb	%\$۱	5g [·] fcghYfYX	% <u>*</u> ''
(" ⁻ 9ggUm	(\$1	\$, #\$, #&\$&&`\$(.\$\$`DA	%ž'' ž'(

5ggYgga Ybh% DfcV`Ya gYh

 $\label{eq:continuous} Gh XYbhg k]``VY`fYei]fYX`hc `UbU`mgY`gca Y`WUgY`gh X]Yg`fl !) `dfcV`Ya gŁ`]b`fY`Uh]cb`hc `dUfh]W `Uf dgm\Xc`]b[i]gh]W]ggi Yg'`H\Ymk]```UXXfYgg`h\YgY`]ggi Yg`VmUbgk Yf]b['j YfmgdY\\Z]Wei Ygh]cbg`XYg][bYX`hc \text{ } \text{ }$

H\]g`Ugg][ba Ybh`]g`gi Va]hhYX`h\fci [\`Hi fb]h]b`UbX`gh XYbhg`WUb`gY	'Y 'Hi fb]h]b 'g]a]`Uf]hmifYdcfhg"

Fygci fWyg

DfYgWf]VYX F Ygci fWYg

 $D`YUgY`fYZYf`hc`h\Y`FYUX]b[``GYeiYbWYg``]b_`cb`AccX`Y`Zcf`XYhU]`g`cZYUW\`kYY_fg`fYei]fYX`fYUX]b[`"`5``fYUX]b[g`UfY`UjU]`UV`Y`j]U`AccX`Y`UbX`h\Y`IBGK``@]VfUfm'$

Gi Va]gg]cb cZ5ggYgga YbhHUg_g

Hi fb]h]b Gi Va]gg]cb

; YbYfU``mž'UggYgga YbhiHug_g'a i ghVY'gi Va]hhYX'Y`YVWfcb]\W)``mij]U'Y]h\Yf'Hi fb]h]b'cf'U'A ccX`Y Ugg][ba Ybh'' =b']bgHJb\W'g'k \YfY'h\]g']g'bchdcgg]V`Yž']hk]```VY'gHJhYX'cb'mci f'\\circ i fgY'g'A ccX`Y'g]hY'k]h\U`hYfbUh]j Y'gi Va]gg]cb'XYHJ]`g''

cfi]bZcfa Uhjcbicbi\ckihcigi Va]hUgg][ba Ybhgicbi]bYij]UiA ccXiY.i\hdg.#gh XYbhi bgk "YXi "Ui #\ck! gi Va]hUgg][ba Ybha ccXiY

5 WUXYa]W<cbYglmUbX D`U[]Uf]ga

D`U[]Uf]ga i]gii g]b[ih\Yik cfXgicfi]XYUgicZch\YfgiUbXidfYgYbh]b[ih\Ya iUgimci fick b"i±i\WbihU_Yia Ubm Zcfa gžZfca iXYi]VYfUhYiW\YUh]b[ihciU\W]XYbhU`m\Wcdm]b[iZfca iUigci f\Wik]h\ci hiU\w_bck iYX[Ya Ybh'

I BGK '[fci dg'd'U[]Uf]ga ']bhc'h\Y'Zc``ck]b['WUhY[cf]Yg.

7 cdm]b[. I g]b['h\Y'gUa Y'cf'j Yfmg]a]'Uf'k cfXg'hc'h\Y'cf][]bU`'hYl hcf']XYU'k]h\ci h'UW_bck `YX[]b['h\Y gci fW' cf'i g]b['ei chUh]cb'a Uf_g"'H\]g']bWi XYg'Wcdm]b['a UhYf]U`gž']XYUg'cf'WcbW'dhg'Zfca 'U'Vcc_ž'Ufh]WYž fYdcfhcf'ch\Yf'k f]hhYb XcW a Ybhz'dfYgYbhUh]cbž'Wca dcg]h]cbž'Uffk cf_ž'XYg][bž'XfUk]b[ž'W]fWi]hfmž'Wca di hYf dfc[fUa 'cf'gcZk UfYž'k YVg]hYž']bhYfbYhz'ch\Yf'Y`YWfcb]WfYgci fW'z'cf'Ubch\Yf'dYfgcbfg'Ugg][ba Ybhk]h\ci h Uddfcdf]UhY'UW_bck 'YX[Ya Ybh''

₺Uddfcdf]UhY 'dUfUd\fUg]b[.'

5 WUXYa]W + DZcfa Uhjcb

8 i Y 'hc 'Yj c'j]b['UXj]WY 'VmB GK '< YU'th žighi XYbhg'a i gh'WkYW_'Zcf'i dXUhYX']bZcfa Uh]cb 'fY[UfX]b['cb`]bY 'YUfb]b['Zcf'U``'5fhgž'8 Yg][b 'UbX'5fWk]hYWhi fY 'Wci fgYg'th]g'thYfa 'fJ]U'A ccX`Y'cf'Wci fgY']bZcfa Uh]cb dfcj]XYX"Ł

: cf`YggYbhJU``ghi XYbh`]bZcfa UhJcb`fY`UhJb['hc.